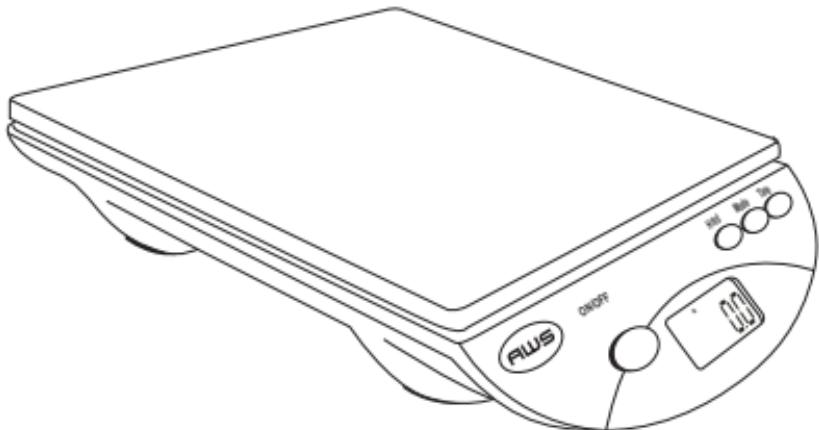




American Weigh Scales, Inc.

# **AMW-BENCH**

*Digital Tabletop Scale*



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**AMW-500i**  
**AMW-1000**

*User Manual*

## AMW-BENCH Manual

Thank you for purchasing the American Weigh AMW-BENCH series digital tabletop scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service.

Never load the scale with more than the maximum capacity. Overloading will permanently damage it! Avoid any exposure to extreme heat or cold. Your scale works better when operated at normal room temperature. Always allow the scale to acclimate to normal room temperature for at least one hour before use. Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.

Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and a close distance to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.

Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor.

Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and must be handled with extreme care.

**Only operate the scale on a stable, vibration free surface.**

## **I. OPERATION**

Place Scale on a horizontal flat surface.

1. Press [ON/OFF] key.
2. Wait until "0.0" is displayed.
3. Put the object(s) on the weighing platform.
4. Using the [MODE] key, you can switch between the weighing units.

## **II. TARE WEIGHING**

1. Turn on scale as described above.
2. Place the "tare item" on the platform.
3. Press [TARE] and wait until "0.0" is displayed.
4. Add the "net-weight-item".

## **III. CALIBRATION**

Calibration is NOT required before first use. Only calibrate if scale is not weighing properly.

\*\*Make sure you use the correct calibration weight for your scale or the calibration will not be accurate\*\*

**AMW-500i: 500g calibration weight**

**AMW-100: 2 (two) 500g calibration weights**

### **a. AMW-500i Calibration Procedures**

1. With the scale OFF, turn the scale upside down. Set the switch on the underside of the scale to "CAL" and turn the scale right side up again.
2. Press and hold the "On/Off" and "Mode" keys at the same time until the display shows a random number. Release both keys now.
3. Press the "On/Off" key once.
4. When the display reads "500 g", place your 500g calibration

weight on the scale.

5. Press “On/Off” again. The display should read “PASS”. You can now turn off your scale and return the switch underneath to “Normal”.

### **b. AMW-1000 Calibration Procedures**

1. With the scale OFF, turn the scale upside down. Set the switch on the underside of the scale to “CAL” and turn the scale right side up again.
2. Press and hold the “Tare” key until the display shows a random number. Release the “Tare” key now.
3. Press the “Tare” key once. The scale will show “0.0”
4. Place your 500g calibration weight on the scale. The display will show a random number.
5. Press “Tare” again. The display will show “500 g”
6. Place another 500g calibration weigh on the scale to make a total of 1000 grams on the scale. The display will show a random number.
6. Press “Tare” once more, the display should read “1000.0”. You can now turn off your scale by holding the “Tare” key.

*Please check the availability of weights with your scale supplier.*

## IV. TROUBLESHOOTING

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. This scale is a precise instrument and must be handled with the utmost care and caution.

### **[Display] Elimination of errors**

#### **Nothing, Battery-Symbol, [lo] or [88888]**

Change the batteries.

**[OUE2]** Recalibrate the scale as shown above.

**[EEEEEE]** You are overloading the scale. Remove the excessive load immediately!

**[LLLLL]** The delicate weighing load cells have been damaged by misusing the scale (i.e. it was shocked, dropped or overloaded). You can try recalibrating the scale. If the load cell has not been damaged too much it will work again after recalibration.

**[UNST]** Use the scale in a more stable position

## Specifications

Model	AMW-500i	AMW-1000
Capacity	500g / 17.64oz / 16.08 ozt / 321.5dwt	1000g / 35.27oz / 32.15ozt / 643.1dwt
Resolution	0.1g / 0.01oz / 0.01ozt / 0.1dwt	
Display	5 - Digit Backlit LCD	
Calibration Weight (not Included)	500g	2 (two) 500g
Platform Dimensions (inches)	6 x 6	Stainless Steel
Scale Dimensions (inches)	6.2 x 7.2 x 1.6	
Power	one 9V Battery (included) or AC-Adapter (sold separate)	
Gross Weight	1.63 lb	